

FILE COPY

REPORT ON PERMIT TO INSTALL FOR
ALLIED CHEMICAL ALUM SLUDGE
AT JACKSON SANITARY LANDFILL
JACKSON COUNTY.



Logan, Ohio, March 15, 1982.

On March 1, 1982, an application for a Permit to Install was received from Mr. J. Gregory Fields, President, Sanitary Commercial Services, Incorporated.

The application included the following:

1. Application for Permit to Install
2. Description of Waste
3. Characterization of Waste and Leachate Extraction Results

General:

The application is for landfilling 7000 cubic yards of alum sludge waste per year produced by Allied Chemical's aluminum sulfate manufacture at their Chillicothe facility. Applicant proposes to combine the sludge, which has a solids content of between 30% - 60%, with residential and commercial solid waste at a rate of 1 cubic yard of sludge to 10 cubic yards of solid waste. This facility was originally approved as a sanitary landfill on April 16, 1970, by the Ohio Department of Health.

Past and present history of operations indicates a satisfactory compliance record.

Geology:

Prevailing geology of the facility appears to consist of silty clay.

Water Quality:

This sludge is considered a low level hazardous waste and should be disposed of in strict compliance with the directives of this Permit to Install. Leachate occurring at this landfill should be contained on-site and treated or transported from the facility for treatment and ultimate disposal.

REFERENCE 6
SITE NAME JACKSON SANITARY LANDFILL
SITE ID OH0280993554

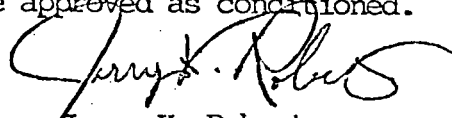
ref. 6.

Conclusions and Recommendations:

Proper mixing of the material in question as outlined in the Permit to Install is of utmost importance. Improper mixing and operational discrepancies at the facility could lead to a leachate problem and possibly ground and surface water degradation.

The geology of the site indicates that conditions are satisfactory for the minimization and control of leachate if a sanitary landfill operation is adequately managed, and landfilling techniques known to minimize sanitation problems are implemented.

I hereby recommend that the Permit to Install be approved as conditioned.



Jerry K. Roberts
Solid Waste Scientist
Division of Land Pollution Control

JKR:dm

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